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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT OFFICE



Title of Invention: APPARATUS AND METHOD FOR TRANSFERRING
TEMPLATE

Inventor: Robert P. Schoppman

Attorney Docket No: 2000-0071

Commissioner of Patents and Trademarks
Washington, D.C. 20231

UTILITY APPLICATION COVER SHEET

Transmitted herewith for filing is the subject Utility Patent Application containing:

1. 29 sheets of Specification, including claims pages.
2. 10 sheets of Drawings.
x Formal Informal
3. X A Declaration of the inventor is enclosed.
x Signed Not Signed
4. X A Small Entity Statement(s) is enclosed.
x Signed Not Signed
5. X The filing fee is calculated as follows:

Total Claims	12	- 20 x \$ 22.00=	\$ 000.00
Independent Claims	4	- 3 x \$ 78.00=	\$ 78.00
Multiple Dependent		- 0 x \$200.00=	\$ 000.00
Basic Fee			\$ 690.00
Total of above calculations			\$ 768.00
Reduction for small entity		- 50%=	\$ 384.00
TOTAL FEE			\$ 384.00

6. A check in the above TOTAL FEE is enclosed.
7. X Please charge the above filing fee to Account No. 06-2120.
8. X The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required, or credit any over payment to Deposit Account No. 06-2120.

09586292, 060200

9. ☐ This application is assigned to:

10. ☐ An Assignment is enclosed
☐ Signed ☐ Not Signed

11. ☒ Address all future communications to:

Robert F. Frijouf, Reg. No. 26,546
Frijouf, Rust & Pyle, P.A.
201 East Davis Boulevard
Tampa, Florida 33606

☒ A power of attorney in enclosed.
☐ A power of attorney is not enclosed but the above Attorney is authorized to act on behalf of the applicant(s).

12. ☒ A return receipt postcard is enclosed.

13. ☐ Prior Art Statement including PTO-1449 Form and prior art documents.

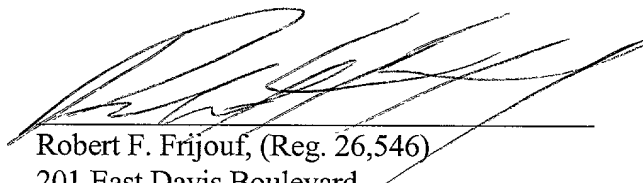
14. ☐ Also enclosed is _____.

Deposit Account

Please charge any deficiency in filing fees required under 37 CFR 1.16 or any processing fees under 37 CFR 1.17 or credit any overpayment arising out of this correspondence or any further correspondence to Deposit Account No. 06-2120.

Respectfully submitted,

FRIJOUF, RUST & PYLE, P.A.



Robert F. Frijouf, (Reg. 26,546)
201 East Davis Boulevard
Tampa, FL 33606
(813) 254-5100
Attorneys for Applicant

002030-2629357

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT OFFICE**

Title of Invention: APPARATUS AND METHOD FOR
TRANSFERRING A TEMPLATE

Inventor: Robert P. Schoppman

Serial No.:

Filed: concurrently herewith

**SOLE DECLARATION CLAIMING SMALL ENTITY STATUS
(INDEPENDENT INVENTOR)**

As the below named inventor, I hereby declare that:

I qualify as an independent inventor as defined in 37 C. F.R. 1.9(c) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the above entitled invention.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 C.F.R. 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 C.F.R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or are under an obligation under contract of law to assign, grant, convey or license any rights in the invention is listed below:

- ☐ no such person, concern, or organization concern or organization having rights to the invention averring to their status as small entities (37 C.F.R. 1.27).
- ☐ Individual identified below
- ☒ Small Business Concern identified below
- ☐ Nonprofit Organization identified below

NAME: Correct Cut , Inc.

ADDRESS: 120 Jeffery Drive, Brandon, Florida 33511

I acknowledge the duty to file, in this application or patent, notification of change in status resulting in loss or entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date of which status as a small entity is no longer appropriate. (37 C.F.R. 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements

002090-2698560

were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.


Robert P. Schoppman, Inventor

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT OFFICE**

Title Of Invention: **APPARATUS AND METHOD FOR
TRANSFERRING A TEMPLATE**

Inventor: **Robert P. Schoppman**

Serial No.:

Filed: concurrently herewith

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR § 1.9 (f) and § 1.27 (c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am:

- ☐ the owner of the small business concern identified below.
☒ an official of the small business concern empowered to act on behalf of the concern identified below.

NAME OF CONCERN	Correct Cut, Inc.
ADDRESS OF CONCERN	120 Jeffery Drive, Brandon, Florida 33511

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 § CFR 121.3-18 and reproduced in 37 CFR § 1.9(d), for purposes of paying reduced fees under Section 41 (a) and (b) of Title 35, United States Code, in that the number of employees of this concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have conveyed to and remain with the small business concern identified above with regard to the above entitled invention as set forth in the subject pending patent application filed concurrently herewith.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having the rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as a small business concern under 37 CFR § 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR § 1.9(d) or a nonprofit organization under 37 CFR § 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 CFR § 1.27).

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR § 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of

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Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statements is directed.

Robert P. Schoppman

President

120 Jeffery Drive, Brandon, Florida 33511

Robert Schuyler

DATE 6-1-80

[illegible]

UNITED STATES PATENT
APPLICATION

APPARATUS AND METHOD FOR TRANSFERRING A TEMPLATE

Be it known that, Robert P. Schoppman, a citizen of the United States of America and a resident of Valrico in the State of Florida, have invented new and useful improvements in the above entitled invention the following of which is a specification in full, clear and exact terms to enable one skilled in the art to make and use the same.

Attorneys of Record

FRIJOUF, RUST & PYLE P.A.
201 East Davis Boulevard
Tampa, Florida 33606
(813) 254-5100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT OFFICE

CERTIFICATE OF EXPRESS MAIL FILING

2 June 2000
Date of Express Mailing

Title of Invention: APPARATUS AND METHOD FOR TRANSFERRING A
TEMPLATE

Inventor: Robert P. Schoppman

Attorney Docket No: 2000-0071

It is hereby certified the above referred to accompanying application was mailed by UNITED STATES POST OFFICE EXPRESS MAIL to the Commissioner of Patents and Trademarks, Washington, DC 20231 on the above Date of Express Mailing. The above Express Mail Number has been applied to all applicable papers transmitted for identification purposes. It is respectfully requested that this application be accorded the above filing date.

Respectfully submitted,

FRIJOUF, RUST & PYLE, P.A.



Robert F. Frijouf, Reg. No. 26,546
201 East Davis Boulevard
Tampa, Florida 33606
(813) 254-5100
Attorneys for Applicant

003090 " 2000-0071

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims benefit of United States Patent Provisional application serial number 60/138,142 filed June 8, 1999. All subject matter set forth in provisional application serial number 60/138,142 is hereby incorporated by reference into the present application as if fully set forth herein.

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BACKGROUND OF THE INVENTION

Field of the Invention

This invention relates to the marking of an object and more specifically, this invention relates to an apparatus and a method for transferring a marking from a first surface to a second surface.

Prior Art Statement

There is a need in the construction industry to precisely identify the location of openings in panels, such as wall panels, countertops, roof sheathing and the like. Among the typical hardware items requiring openings include switch boxes, electrical outlets, dryer vents, fresh water and drain openings, plumbing stacks, recessed lighting fixtures and the like. Additionally, window and door frames require precise positioning on wall panels. Typically, the panels are fashioned from plywood, wall panel board, sheetrock, particle board, drywall and the like. In the alternative, the panels may be fabricated or covered with a ceramic or other types of tile. The hardware item is affixed to a supporting stud of the building structure. The panels are affixed to supporting studs of the building structure.

The traditional method of locating the desired openings in the panel comprised taking measurements from reference points on the support studs, and transferring these measurements to the panel. The difficulty in accurately measuring and transferring the dimensions to the panel should be apparent to those skilled in the art. Errors in the original and final measurements as well as mistakes in location of reference points on the panel

contribute to wasted materials and wasted time.

Various methods have been established by the prior art that minimizes the problems associated with locating openings in panels. Templates have been utilized in a multitude of applications for locating the desired openings in the panel. The template is affixed to the hardware item or place outlining the window or door opening. The panel is placed proximate the studs and the template is transferred to the panel for locating the precise opening in the panel.

Several template styles have been taught by the prior art. These templates can be classified into two general categories. The first classification of template is a mechanical transfer type template. In the mechanical transfer type templates, the mechanical template is temporarily affixed to a first surface. The mechanical template is transferred totally from a first surface to a second surface when the second surface contacts the first surface.

The second classification of template is a marking template. In the marking template, the marking template is affixed to a first surface. The marks of the marking template on the first surface is transferred to the second surface when the second surface comes in contact with the first surface.

The mechanical template typically comprises mechanical means having raised points on the template which produce corresponding depressions in the second surface when the second surface comes in contact with the first surface. The marking template mechanism typically comprises a chemical means such as an ink, dye, paint or the like.

U.S. Patent 3,526,947 to Pasek teaches a template designed to be transferable from a member to a support. The template has a first securing means for removably securing the

template to a member. A second securing means is provided on the template for securing it on the reverse side of the template to a support. The latter securing means having greater mechanical strength than the mechanical strength of the first securing means, causing the template to be transferable from the member to the support.

5 U. S. Patent 4,345,381 to Brislin teaches a universal measuring template for use in place marking and locating utility outlet openings, window and door cutouts and the like in construction panels. The template comprises a perforated carrier having a film of an adhesive applied to one face. The perforations in the carrier control the ratio of adhesive areas exposed to one transfer surface. A gauge variation is developed within the template by the thickness of material used and the adhesive film. A first adhesive bond is created utilizing the least adhesive area exposed through the perforations on one surface of the template. A second adhesive bond is created utilizing the greatest adhesive covered area on the other surface. The first adhesive bond is developed on a utility box perimeter or other surface area and the second bond is developed on a building panel. A greater bond is developed on the building panel surface due to the greater adhesive covered surface area being extended to the panel surface. Thus, when the template is adhered to a utility box perimeter or other surface the bond created will not be as great as the bond which will be created on the blind side of a building panel when the building panel is pressed against the template. By this construction the template will readily transfer from a utility box or other surface to a building panel.

U. S. Patent 4,372,050 to Eisenhower teaches a template construction for marking a portion to be cut out of a panel. Consisting of a sheet of flexible planar material having a

central portion of a predetermined shape, tabs are formed integrally with the central portion, with pressure-sensitive adhesive on the central portion and the tabs. Backing material on the pressure-sensitive material, V-shaped cutouts are provided and a line of demarcation between the central portion and the tabs facilitate bending back of the tabs relative to the central portion. Cuts in the backing material at the lines of demarcation permit the backing material to be removed from the tabs prior to removing the backing material from the central portion.

U. S. Patent 5,157,844 to Mailison and Orton teaches a system for positioning and blind marking construction material panels. The system includes clips designed to support marking projections relative to installed construction components such as electrical outlet boxes and frames for windows and doors. A leg flexure of each clip is used to secure the clip to thin walled components. Each of the clips further has alignment projections that abut the component edges, for securely positioning the clips. The flexure legs break away to enable use of the clip on thick walled components, with an adhesive retaining the clip in lieu of the leg flexure. The system further includes stabilizers for aligning an unsecured panel in parallel spaced apart relation to a previously installed panel. These stabilizers are used to edge-align the panels for precise placement of markings on an inside surface of the panel to be installed.

Although the aforementioned prior art methods provided definite improvements over existing panel marking systems, these prior art processes did have a major disadvantage. The major disadvantage of these prior art methods was the difficulty in fashioning the template into complex shapes.

Therefore, it is an object of the present invention to provide an improved transfer apparatus that overcomes the disadvantages of the prior art and provides a substantial contribution to the panel marking art.

Another object of this invention is to provide an improved transfer apparatus wherein the transfer apparatus may be used for transferring the position of objects in either vertical or horizontal panels.

Another object of this invention is to provide an improved transfer apparatus wherein the transfer apparatus may be used for transferring the position of screw holes, doors, windows, electrical outlets, pipes, vents and the like.

Another object of this invention is to provide an improved transfer apparatus wherein the transfer apparatus is readily adaptable to a wide variety of uses for a wide variety of shapes and materials by merely fashioning the transfer apparatus and without the need to modify the transfer apparatus.

Another object of this invention is to provide an improved transfer apparatus wherein the transfer apparatus is suitable for use on tile.

Another object of this invention is to provide an improved transfer apparatus wherein the transfer apparatus comprises a flexible foam strip having a weak adhesive disposed on a first side of the foam strip and a strong adhesive disposed on a second side of the foam member.

Another object of this invention is to provide an improved transfer apparatus comprising a flexible foam strip that may be cut into pieces and assembled to be fashioned to follow the outline of complex shapes.

Another object of this invention is to provide an improved transfer apparatus comprising a flexible foam strip that may be bent to follow the outline of complex shapes.

Another object of this invention is to provide an improved transfer apparatus comprising a flexible foam strip wherein only the material needed for the template is used
5 thereby minimizing any waste of the flexible foam strip.

Another object of this invention is to provide an improved transfer apparatus that is easy and economical to use by unskilled workers.

The foregoing has outlined some of the more pertinent objects of the present invention. These objects should be construed as being merely illustrative of some of the more prominent features and applications of the invention. Many other beneficial results can be obtained by applying the disclosed invention in a different manner or modifying the invention within the scope of the invention. Accordingly other objects in a full understanding of the invention may be had by referring to the summary of the invention, the detailed description describing the preferred embodiment in addition to the scope of the invention defined by the claims taken in conjunction with the accompanying drawings.
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SUMMARY OF THE INVENTION

The present invention is defined by the appended claims with specific embodiments being shown in the attached drawings. For the purpose of summarizing the invention, the invention relates to an improved transfer apparatus and method for transferring a template of an object from a first surface to a second surface. The transfer apparatus comprises a foam member having a first and a second side with a weak adhesive disposed on the first side of the foam member and a strong adhesive disposed on the second side of the foam member. The strong adhesive has greater adhesive strength than the weak adhesive. The foam member is fashionably in the shape of the object for creating a foam template. The foam template is temporarily affixed to the first surface by the weak adhesive of the foam member. The foam template is transferred from the first surface to the second surface upon engagement of the second surface with the strong adhesive of the foam member. The second surface is detached from the first surface for transferring the foam template from the first surface to the second surface.

In a more specific embodiment of the invention, the transfer apparatus comprises a flexible foam member for enabling the flexible foam member to be bent to form a foam template of a complex object.

In another embodiment of the invention, a first and a second removable protective strip is disposed on the first side and the second side of the foam member, respectively, for preventing the first and the second sides of the foam member from adhering to a surface prior to removal of the protective strips.

In a preferred embodiment of the invention, the foam member comprises a rectangular cross-section for enabling the foam member to be bent and fashioned into the shape of the object.

The foregoing has outlined rather broadly the more pertinent and important features of the present invention in order that the detailed description that follows may be better understood so that the present contribution to the art can be more fully appreciated. Additional features of the invention will be described hereinafter which form the subject of the claims of the invention. It should be appreciated by those skilled in the art that the conception and the specific embodiments disclosed may be readily utilized as a basis for modifying or designing other structures for carrying out the same purposes of the present invention. It should also be realized by those skilled in the art that such equivalent constructions do not depart from the spirit and scope of the invention as set forth in the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

For a fuller understanding of the nature and objects of the invention, reference should be made to the following detailed description taken in connection with the accompanying drawings in which:

FIG. 1 is a front view of a first embodiment of a transfer apparatus of the present invention illustrating partial removal of both a first and a second protective covering strip;

FIG. 2 is a side view of FIG 1;

FIG. 3 is a perspective view of a section of wall studs including a duplex electrical receptacle box fastened to a wall stud and a wallboard panel;

FIG. 4 is a magnified view of FIG. 3;

FIG. 5 is a view similar to FIG. 3 illustrating the first embodiment of the transfer apparatus of the present invention affixed to the face of the duplex electrical receptacle box and removal of a second protective covering strip;

FIG. 6 is a magnified view of FIG. 5;

FIG. 7 is a view similar to FIG. 5 illustrating the first embodiment of the transfer apparatus of the present invention affixed to the face of the duplex electrical receptacle box and in contact with the adverse side of a wallboard panel;

FIG. 8 is a view similar to FIG. 5 illustrating the first embodiment of the transfer apparatus of the present invention transferred from the face of the duplex electrical receptacle box to the adverse side of the wallboard panel;

FIG. 9 is a view similar to FIG. 8 illustrating the first embodiment of the transfer

apparatus being transferred from the face of the duplex electrical receptacle box to the adverse side of the wallboard panel and the wallboard panel being trimmed to produce an aperture matching the pattern of the electrical receptacle box as transferred by the present invention;

5 FIG. 10 is a view similar to FIG. 9 illustrating the trimmed wallboard of FIG. 9 installed on a section of wall studs with the aperture in the wallboard aligned with duplex electrical receptacle box;

FIG. 11 is a perspective view of a wall and the adverse side of a framed object with the transferring apparatus of the present invention positioned to simulate the position of a frame hanging means of the frame;

FIG. 11A is a magnified view of a portion of FIG. 11;

FIG. 12 is a view similar to FIG. 11 with the frame hanging means in a relaxed position;

FIG. 13 is a view similar to FIG. 12 with the framed object placed in the desired hanging position and in contact with the wall;

FIG. 14 is a view similar to FIG. 13 illustrating the first embodiment of the transfer apparatus of the present invention transferred to the wall;

FIG. 15 is a view similar to FIG. 14 illustrating a mounting device positioned on the wall proximate the position of the transfer apparatus of the present invention located on the wall;

FIG. 16 is a view similar to FIG. 15 illustrating the framed object hanging in the desired position on the wall;

FIG. 17 is a perspective view of a section of wall studs including a variety of objects fastened to wall studs;

FIG. 18 is a magnified view of a portion of FIG. 17 illustrating the first embodiment of the transfer apparatus of the present invention fashioned in a complex shape;

5 FIG. 19 is a front view of a second embodiment of a transfer apparatus of the present invention illustrating partial removal of both a first and a second protective covering strip;

FIG. 20 is a side view of a portion of FIG 19; and

FIG. 21 is a sectional view along line 21-21 in FIG. 19.

Similar reference characters refer to similar parts throughout the several Figures of the drawings.

DETAILED DISCUSSION

FIGS. 1 and 2 are front and side views of a first embodiment of the transfer apparatus 8 of the present invention comprising a foam member 10. Preferably, the foam member 10 is a resilient open cell foam capable of being cut into segments and being bent to fashion the foam member 10 into a variety of shapes. The foam member 10 comprises a first and a second side 11 and 12 and a first and a second edge 13 and 14. Although the foam member 10 is shown extending between a first and a second end 21 and 22, it should be understood that the foam member 10 may be substantially continuous such as being disposed on a roll (not shown).

The foam member 10 is formed from a resiliently compressible foam material. The resiliently compressible foam material has a thickness sufficient to accommodate for variations in the surfaces that the foam member 10 is affixed to as will be hereafter described. Preferably, the foam member 10 has a thickness between .0675 inches and 0.25 inches.

A weak adhesive 24 is disposed on the first side 11 of the foam member 10 and a strong adhesive 26 is disposed on the second side 12 of the foam member 10. A first and a second protective covering strip 31 and 32 are located on the first and second sides 11 and 12 of the foam member 10. The first and second protective covering strips 31 and 32 protect the weak adhesive 24 and the strong adhesive 26, respectively.

The first and second protective covering strips 31 and 32 are illustrated partially removed from the first and second sides 11 and 12 of the foam member 10. The first

protective covering strip 31 extends in proximity to the first and second ends 21 and 22 of the foam member 10. The second protective covering strip 32 extends past the first and second ends 31 and 32 of the foam member 10 for defining a first and a second overlapping tab 36 and 38, respectively. These first and second overlapping tabs 36 and 38 provide a convenient means for identifying and removing the second protective covering strip 32. Additionally, the first and second protective covering strips 31 and 32 may comprise differing colors, enabling the user to easily discern the first and second sides 11 and 12 of foam member 10.

FIGS. 3 and 5 are perspective and magnified views of a duplex electrical receptacle box 40 with electrical receptacles 42 located therein. The duplex electrical receptacle box 40 comprises a face 44 of the duplex electrical receptacle box 40 defined by first through fourth sides 46-49.

A wall 50 is formed from a plurality of wall studs shown as first through fourth wall studs 51-54. The electrical receptacle box 40 is fastened to the second wall stud 52 adjacent to the first wall stud 51.

A wallboard panel 70 is shown positioned adjacent to the wall 50 formed from the plurality of wall studs 51-54. The wallboard panel 70 defines a facing side 71 and an adverse side 72. The wallboard panel 70 is representative of a panel wallboard, plywood, sheetrock, particle board, drywall and the like.

FIGS. 4 and 6 are views similar to FIGS. 3 and 5 illustrating the first embodiment of the transfer apparatus 8 of FIGS. 1 and 2 being temporarily affixed to the face 44 of the duplex electrical receptacle box 40. The first method of temporarily affixing the transfer

apparatus 8 to the face 44 of the duplex electrical receptacle box 40 comprises cutting the foam member 10 into four sections 10A-10D. The four sections 10A-10D of the foam member 10 are temporarily affixed to the face 44 defined by first through fourth sides 46-49.

5 Each of the four sections 10A-10D of the foam member 10 is cut to an appropriate length to fit the first through fourth sides 46-49 of the duplex electrical receptacle box 40. The first protective covering strips 31 are removed from the four sections 10A-10D of the foam member 10 for exposing the weak adhesive 24. The four sections 10A-10D of the foam member 10 are subsequently applied to the duplex electrical receptacle box 40 by applying the weak adhesive 24 disposed on the first side 11 of the four sections 10A-10D of the foam member 10 to the first through fourth sides 46-49 of the duplex electrical receptacle box 40.

10 The second protective covering strips 32 are removed from each of the four sections 10A-10D of the foam member 10 affixed to the first through fourth sides 46-49 of the duplex electrical receptacle box 40. The removal of the second protective covering strips 32 expose the strong adhesive 26 disposed to the second side 12 of each of the four sections 10A-10D of the foam member 10.

15 A second method to temporarily affix the foam member 10 to the face 44 of the duplex electrical receptacle box 40 comprises the bending of the foam member 10. The foam member 10 temporarily is affixed by removing the first protective covering strip 31 from the foam member 10. The weak adhesive 24 disposed on the first side 11 of the foam member 10 adhesively affixes foam member 10 to the first side 46 of the duplex electrical
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receptacle box face 44.

The foam member 10 is subsequently bent and fashioned to fit the second side 47 of the duplex electrical receptacle box face 44 with the weak adhesive 24 adhesively affixing the foam member 10 to the second side 47 of duplex electrical receptacle box face 44.

5 In the alternative, the foam material of the foam member 10 enables the foam member 10 to be bent around the corners formed at the intersecting sides of the first through fourth sides 46-49 of the duplex electrical receptacle box face 44 without severing the foam member 10.

10 The foam member 10 is subsequently bent and fashioned to fit the third and fourth sides 48 and 49 of the duplex electrical receptacle box face 44 with the weak adhesive 24 adhesively affixing foam member 10 to the third and fourth sides 48 and 49 of the duplex electrical receptacle box face 44. The remaining foam member 10 not affixed to the duplex electrical receptacle box face 44 is cut away. The second protective covering strip 32 is then removed from foam member 10 for exposing the strong adhesive 26 disposed to the
15 second side 12 of foam member 10.

FIG. 5 is a perspective view of a section of wall comprising the wall studs 51-54 including the duplex electrical receptacle box 40 fastened to second wall stud 52 as previously illustrated in FIG. 3 and a wallboard panel 70, prior to the application of the first embodiment of the transfer apparatus 8.

20 FIG. 6 is a perspective view of a section of wall studs 51-54 including a duplex electrical receptacle box 40 fastened to the second wall stud 52 as previously illustrated in FIG. 4 and a wallboard panel 70, illustrating the first embodiment of the transfer apparatus

8 affixed to the face 44 of the duplex electrical receptacle box 40, as detailed in FIG. 4.

FIG. 7 is a perspective view of the wallboard panel 70 positioned in contact with the wall studs 51-54. The first embodiment of the transfer apparatus 8 temporarily affixed to the face 44 of the duplex electrical receptacle box 40 by the weak adhesive 24. As wallboard panel 70 is positioned proximate wall studs 51-54, the adverse side 72 of wallboard panel 70 contacts the second side 12 of the foam member 10 of the first embodiment of the transfer apparatus 8. The strong adhesive 26 disposed to second side 12 of foam member 10 forms a strong adhesive bond with the adverse side 72 of wallboard panel 70.

FIG. 8 is a perspective view of the wallboard panel 70 positioned away from the wall studs 51-54. As wallboard panel 70 is moved from direct contact with face 44 of the duplex electrical receptacle box 40, the strong adhesive bond with the adverse side 72 of wallboard panel 70 from the strong adhesive 26 overcomes the weak adhesive bond between weak adhesive 24 and the face 44 of the duplex electrical receptacle box 40. The thickness and the resilient compressibility of the foam member 10 accommodate for any variations between the first through fourth sides 46-49 of the duplex electrical receptacle box 40 and the wallboard panel 70.

The movement of the wallboard panel 70 from the wall studs 51-54 transfers the foam member 10 from the face 44 of the duplex electrical receptacle box 40 to the adverse side 72 of the wallboard panel 70.

FIG. 9 is a perspective view of the wallboard panel 70 positioned away from the wall studs 51-54 with the foam member 10 transferred from the face 44 of the duplex electrical

receptacle box 40 to the adverse side 72 of the wallboard panel 70. The wallboard panel 70 is being trimmed by saw 80 to produce an aperture 74 in the wallboard panel 70 to match the shape and relative location of the electrical receptacle box 40 as transferred by the foam member 10. After the wallboard panel 70 is trimmed by saw 80, the foam member 10 may be removed from the wallboard panel 70.

FIG. 10 is a perspective view of the wallboard panel 70 positioned in contact with the wall studs 51-54. The wallboard panel 70 is permanently secured to the wall studs 51-54 with the aperture 74 in the wallboard panel 70 aligned and registered with duplex electrical receptacle box 40.

FIG. 11 is a perspective view of a framed object 110 positioned adjacent to a wall 150. The framed object 110 defines a facing side 111 and an adverse side 112. The framed object 110 is representative of a picture, a photograph, a painting, a decorative item, a shelf, a clock or a similar item affixed to the wall 150.

The framed object 110 comprises a hanger wire 114 affixed to framed object 110 by attachment to hanger eyelets 116. The hanger wire 114 is extended to a position to simulate the position of the hanger wire 114 when supporting the framed object 110.

FIG. 11A is a magnified view of a portion of FIG. 11 illustrating the first embodiment of the transfer apparatus 8 located at the position of the hanger wire 114 when the hanger wire 114 is supporting the framed object 110. The first protective covering strip 31 is removed from the first side 11 of foam member 10 exposing the weak adhesive 24 disposed on the first side 11 of foam member 10. The foam member 10 is then positioned at the location of the hanger wire 114 when the hanger wire 114 is supporting the framed

object 110. The weak adhesive 24 affixes the foam member 10 to the adverse side 111 of the framed object 110.

FIG. 12 is a perspective view of the framed object 110 positioned adjacent to the wall 150 with the object hanger wire 114 being in a relaxed position. Second protective covering strip 32 of foam member 10 has been removed for exposing strong adhesive 26 disposed on second side 12 of foam member 10.

FIG. 13 is a perspective view of the framed object 110 placed in the desired hanging position and in contact with the wall 150. The framed object 110 is moved in proximity to the wall 150 at the desired position of framed object 110 relative to wall 150. When the desired position of framed object 110 relative to wall 150 is determined, the framed object 110 is pressed against wall 150. The strong adhesive 26 disposed to second side 12 of the foam member 10 forms a strong adhesive bond between wall 150 and foam member 10.

FIG. 14 is a perspective view of the framed object 110 positioned away from the wall 150. The first embodiment of the transfer apparatus 8 has been transferred to the wall 150. As the framed object 110 is removed from direct contact with wall 150, the strong adhesive 26 on the second side 12 of foam member 10 overcomes the weak adhesive 24 on the first side 11 of foam member 10 to transfer the foam member 10 from the framed object 110 to wall 150.

FIG. 15 is a perspective view of the framed object 110 positioned away from the wall 150. A mounting device 125 is secured to the wall 150 proximate the position the first embodiment of the transfer apparatus 8 on the wall 150. The foam member 10 as previously illustrated in FIG. 14 identifies the location of the mounting device 125 to provide the

desired location of framed object 110. The mounting device 125 is affixed to wall 150 and foam member 10 is removed from wall 150. The mounting device 125 may be a nail, screw, or specialty hanger as is well known to those skilled in the art.

FIG. 16 is a perspective view of the framed object 110 hanging in the desired position on the wall 150. Following the installation of mounting device 125 on wall 150, the framed object 110 is positioned such that hanger wire 114 is positioned to suspend framed object 110 from mounting device 125.

As should be appreciated by those skilled in the art, the framed object represents only one of many objects which may utilize the first embodiment of the transfer apparatus 8 of the present invention for accurately transferring a position on a first surface to a corresponding position on a second surface by forming a template as previously described.

FIG. 17 illustrates a wall 250 formed from a plurality of wall studs 251-256. The first embodiment of the transfer apparatus 8 is utilized simultaneously on a plurality of objects 261-265. Each of the plurality of objects 261-265 is shown having different sizes and/or shapes and being affixed to at least one of the plurality of wall studs 252-255.

The first embodiment of the transfer apparatus 8 is shown as a plurality of foam members 10A-10E for simultaneously transferring a plurality of templates from the plurality of objects 261-265 to a second surface. The plurality of foam members 10A-10E are affixed to the plurality of objects 261-265 by the weak adhesive 24 disposed on first side 11 of foam member 10A-10E.

FIG. 18 is a magnified view of a section of FIG. 17 illustrating the wall studs 254 and 255 and including the objects 264 fastened between wall studs 254 and 255. The

objects 264 may be representative of a vent pipe or the like.

The first embodiment of the transfer apparatus 8 is illustrated as a foam member 10D fashioned in a complex shape with the weak adhesive 24 disposed to first side 11 of foam member 10D affixed to the objects 264. The foam member 10D is fashioned in the complex shape with a unitary length of the foam member 10.

FIGS. 19 and 20 are front and side views of a second embodiment of the transfer apparatus 308 of the present invention comprising a foam member 310. The foam member 310 is capable of being cut into segments and being bent in a manner similar to the foam member 10 as set forth herein.

The foam member 310 comprises a first and a second side 311 and 312 and a first and a second edge 313 and 314. Preferably, the foam member 310 is a substantially continuous roll (not shown).

A weak adhesive 324 is disposed on the first side 311 of the foam member 310 and a strong adhesive 326 is disposed on the second side 312 of the foam member 310. A first and a second protective covering strip 331 and 332 are located on the first and second sides 311 and 312 of the foam member 310 for protecting the weak and strong adhesives 324 and 326, respectively.

The first and second first protective covering strips 331 and 332 are illustrated partially removed from the first and second sides 311 and 312 of the foam member 310.

The first and second protective covering strips 331 and 332 extend in proximity to the first and second ends 321 and 322 of the foam member 310.

In this second embodiment of the transfer apparatus 308 of the present invention, the

second protective covering strip 332 has a greater width than the foam member 310. The second protective covering strip 332 extends past the second edge 314 of the foam member 310 for defining an overlapping edge 336.

The overlapping edge 336 provides a convenient means for removing the second protective covering strip 332 when the foam member 310 is severed into segments. Each of the severed segments provides an overlapping edge 336 for enabling the convenient removal of the second protective covering strip 332 from the foam member 310. Additionally, the overlapping edge 336 enables an operator to easily discern the first and second sides 311 and 312 of foam member 310.

Although the invention has been described in its preferred form with a certain degree of particularity, it is understood that the present disclosure of the preferred form has been made only by way of example and that numerous changes in the details of construction and the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention.

WHAT IS CLAIMED IS:

1. A transfer apparatus for transferring a template of an object from a first surface to a second surface, comprising:

a foam member having a first and a second side;

a weak adhesive disposed on said first side of said foam member;

a strong adhesive disposed on said second side of said foam member;

said strong adhesive having greater adhesive strength than said weak adhesive;

said foam member being fashionably in the shape of the object for creating a foam template thereby;

said foam template being temporarily affixable to the first surface by said weak adhesive of said foam member attaching to the first surface;

said foam template being transferable from the first surface to the second surface upon engagement of the second surface with said strong adhesive of said foam member to affix said foam template to the second surface whereupon the withdrawal of the second surface from the first surface detaches the foam template from the first surface to transfer said foam template from the first surface to the second surface .

2. A transfer apparatus for transferring a template of an object as set forth in claim 1, wherein said foam member comprises a flexible foam member for enabling said flexible foam member to be bent to form a foam template of a complex object.

3. A transfer apparatus for transferring a template of an object as set forth in claim 1, wherein said foam member is a resiliently compressible foam member for accommodating for any variations in the first surface and second surfaces.
4. A transfer apparatus for transferring a template of an object as set forth in claim 1, wherein said foam member has a resiliently compressible thickness for accommodating for any minor variations in the first surface and second surfaces.
5. A transfer apparatus for transferring a template of an object as set forth in claim 1, wherein said foam member has a resiliently compressible thickness between 0.0675 inches and 0.25 inches for accommodating for any minor variations in the first surface and second surfaces.
6. A transfer apparatus for transferring a template of an object as set forth in claim 1, including a first and a second removable protective strip disposed on said first side and said second side of said foam member respectively for preventing said first and said second sides of said foam member from adhering to a surface prior to removal of said protective strips.
7. A transfer apparatus for transferring a template of an object as set forth in claim 1,

8. A transfer apparatus for transferring a template of an object as set forth in claim 1, wherein said foam member comprises a rectangular cross-section for enabling said foam member to be bent and fashioned into the shape of the object;

a second removable protective strip disposed on said second side of said foam member for preventing said second side of said foam member from adhering to a surface prior to removal of said protective strip.

a second removable protective strip disposed on said second side of said foam member for preventing said second side of said foam member from adhering to a surface prior to removal of said protective strip; and

one of said first and second removable protective strips being larger than the other of the first and second removable protective strips for providing a visual indication on the difference between the first and second sides of said foam member.

a flexible foam member having a first and a second side;

a weak adhesive disposed on said first side of said flexible foam member;

a strong adhesive disposed on said second side of said flexible foam member;

said strong adhesive having greater adhesive strength than said weak adhesive;

a first removable protective strip disposed to said first side of said flexible foam member for preventing said first side of said flexible foam member from adhering to a surface prior to removal of said first protective strip;

a second removable protective strip disposed to said second side of said flexible foam member for preventing said second side of said flexible foam member from adhering to a surface prior to removal of said second protective strip;

said flexible foam member being fashionable in the shape of complex two dimensional object for creating a foam template thereby;

said foam template being temporarily affixable to the first surface by said weak adhesive of said flexible foam member attaching to the first surface;

said foam template being transferable from the first surface to the second

surface upon engagement of the second surface with said strong adhesive of said foam member to affix said foam template to the second surface whereupon the withdrawal of the second surface from the first surface detaches the foam template from the first surface to transfer said foam template from the first surface to the second surface.

11. A method for transferring a template of an object from a first surface to a second surface including a foam member having a first and a second side, a weak adhesive disposed on said first side of said foam member, a strong adhesive disposed on said second side of said foam member said strong adhesive having greater adhesive strength than said weak adhesive, comprising the steps of:

fashioning said foam member in the shape of the object;

temporarily affixing said first side of said foam member to the first surface by said weak adhesive;

engaging the second surface in contact with said second side of said foam member;

withdrawing the second surface from the first surface, wherein said foam member fashioned as a foam template being transferable from the first surface to the second surface upon engagement of the second surface with said strong adhesive of said foam template to affix said foam template to the second surface.

12. A method for transferring a template of an object from a first surface to a second surface including a flexible foam member having a first and a second side, a weak adhesive disposed on said first side of said flexible foam member, a strong adhesive disposed on said second side of said flexible foam member said strong adhesive having greater adhesive strength than said weak adhesive, a first and a second protective strip disposed on said first and said second side, respectively, of said flexible foam member, comprising the steps of:

removing said first protective strip from said first side of said flexible foam member;

fashioning said flexible foam member in the shape of the object;

temporarily affixing said first side of said flexible foam member to the first surface by said weak adhesive;

removing said second protective strip from said second side of said flexible foam member;

engaging the second surface in contact with said second side of said flexible foam member; and

withdrawing the second surface from the first surface, wherein said flexible foam member fashioned as a flexible foam template being transferable from the first surface to the second surface upon engagement of the second surface with said strong adhesive of said flexible foam template to affix said flexible foam template to the second surface.

ABSTRACT OF THE DISCLOSURE

An improved transfer apparatus and method is disclosed for transferring a template of an object from a first surface to a second surface. The transfer apparatus comprises a foam member having a first and a second side with a weak adhesive disposed on the first side of the foam member and a strong adhesive disposed on the second side of the foam member. The foam member is fashionable in the shape of the object for creating a template and is temporarily affixed to the first surface by the weak adhesive of the foam member. The template is transferred from the first surface to the second surface upon engagement of the second surface with the strong adhesive of the foam member. The withdrawal of the second surface from the first surface detaches the template from the first surface for transferring the template from the first surface to the second surface.

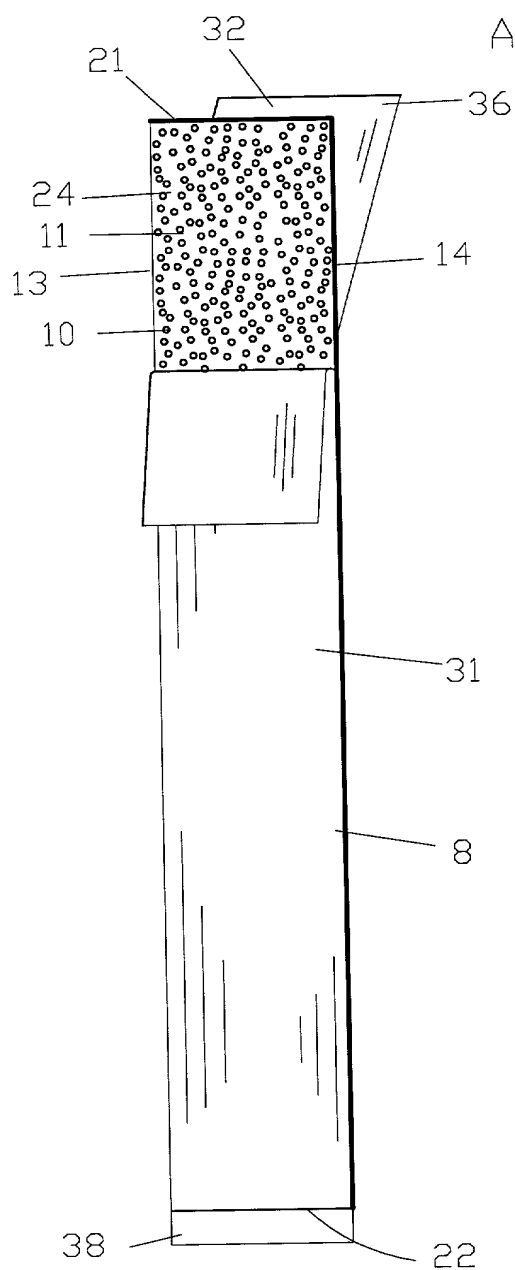


FIG. 1

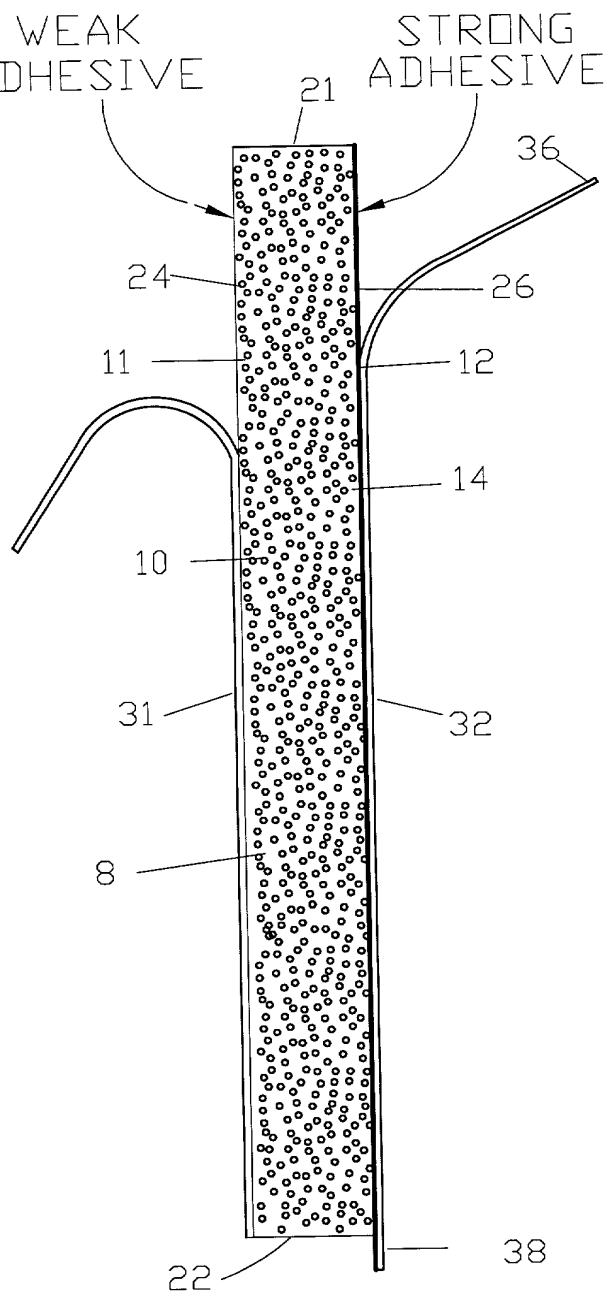


FIG. 2

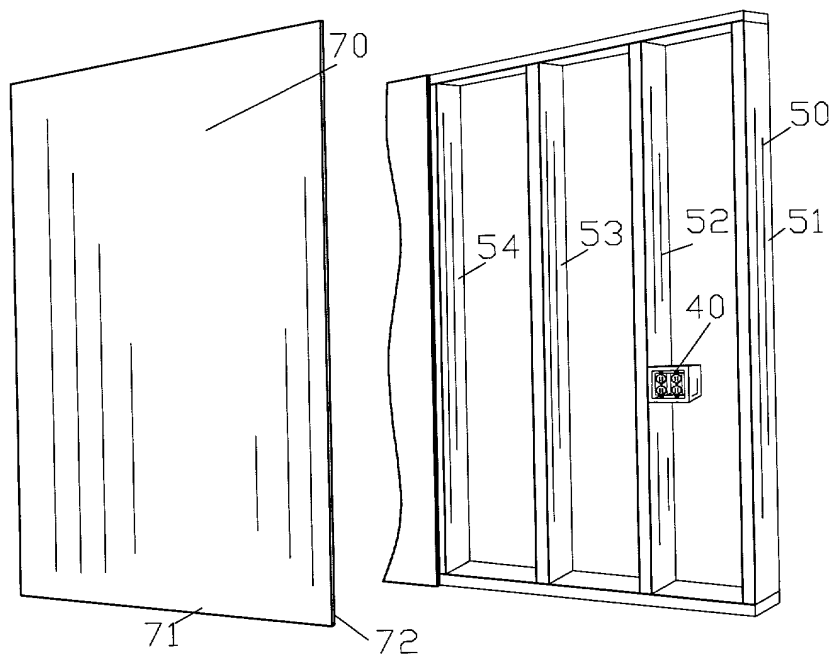


FIG. 3

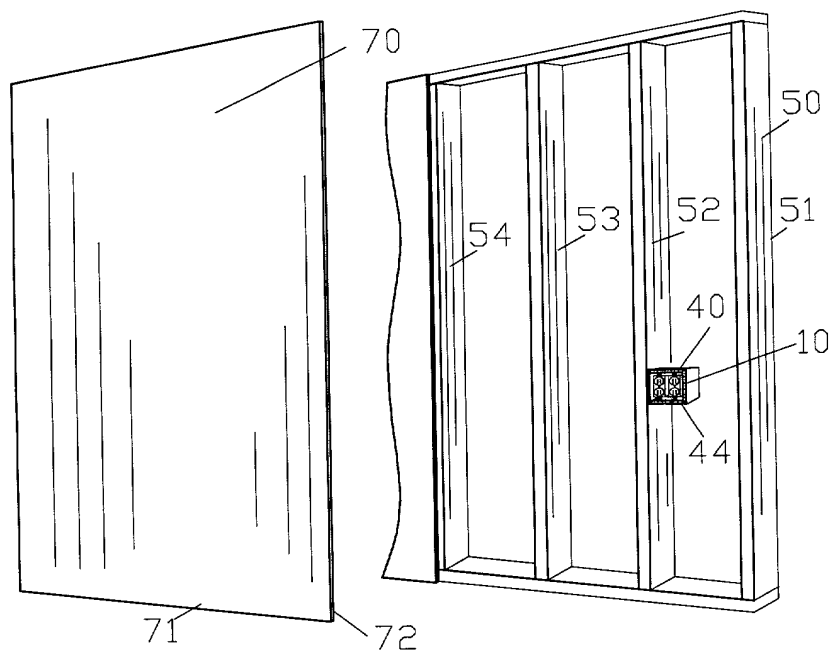


FIG. 4

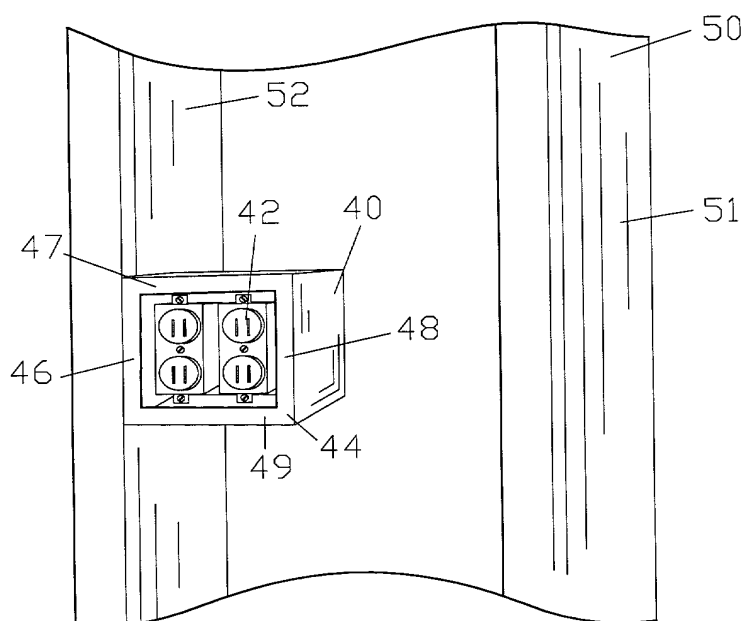


FIG. 5

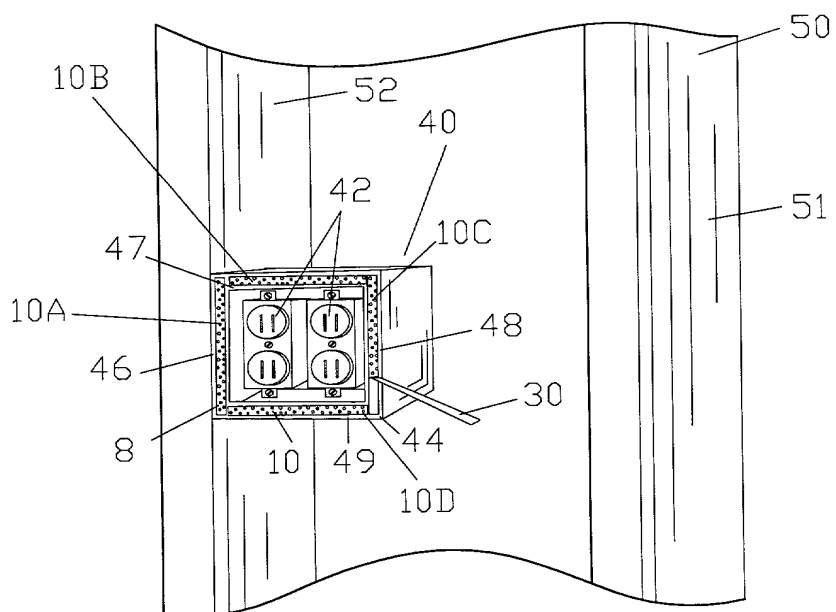


FIG. 6

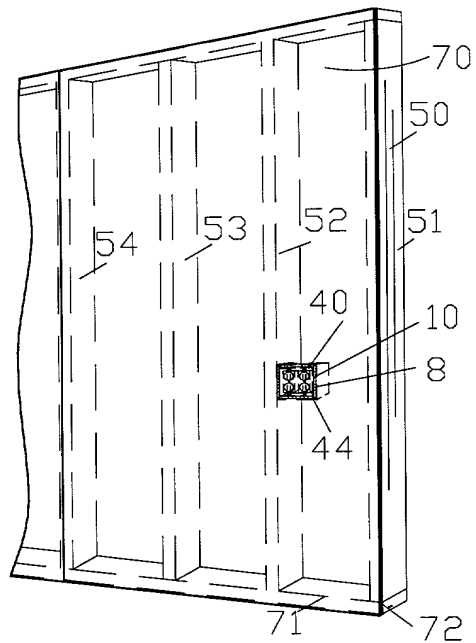


FIG. 7

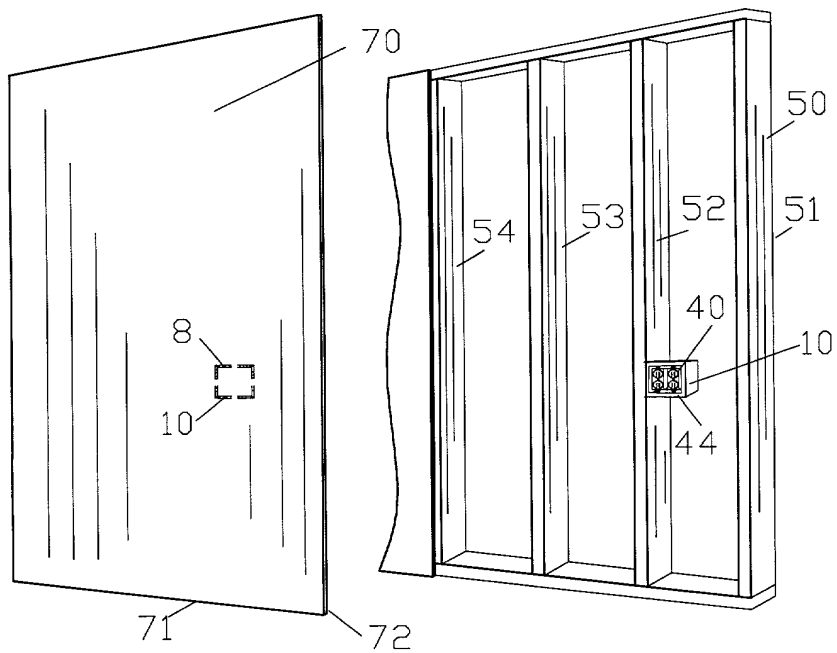


FIG. 8

FIG. 10

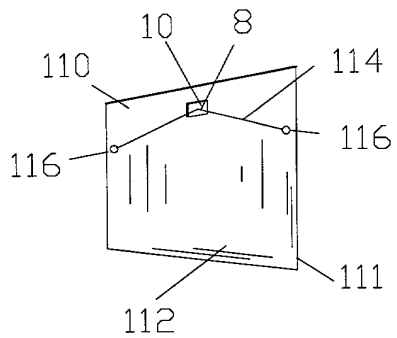


FIG. 11

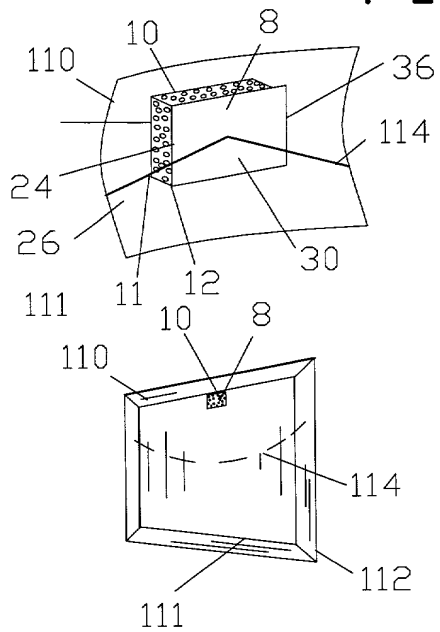
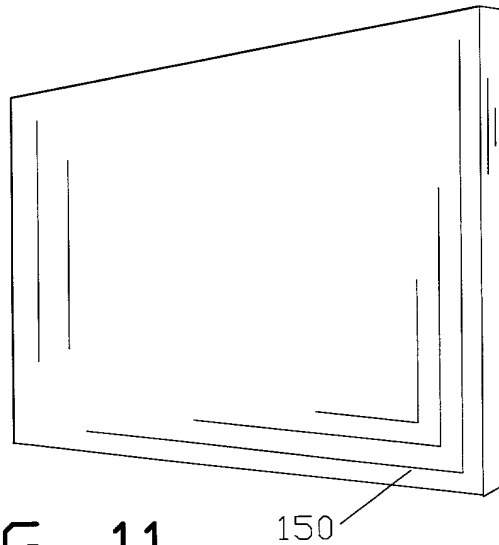
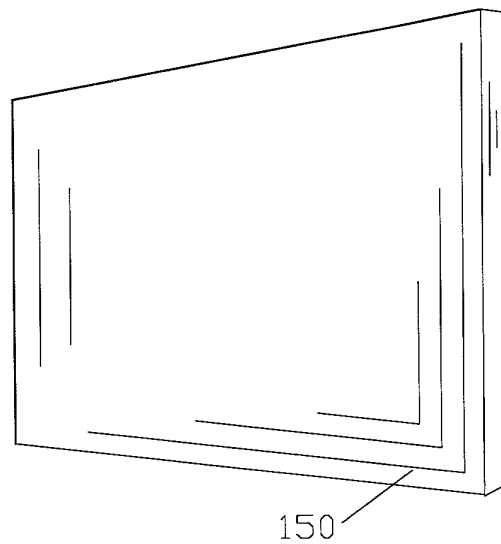


FIG. 12





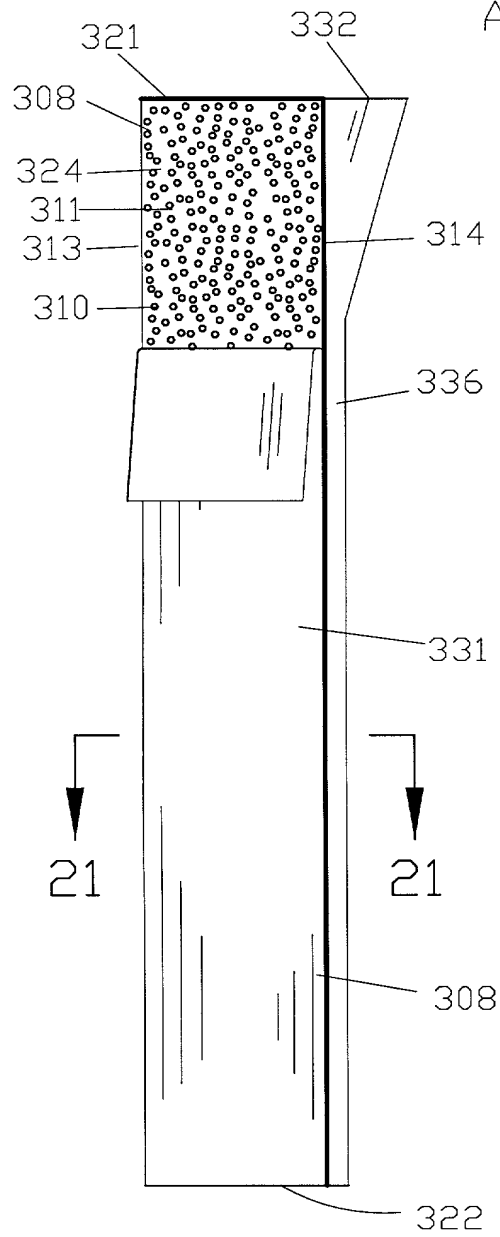


FIG. 19

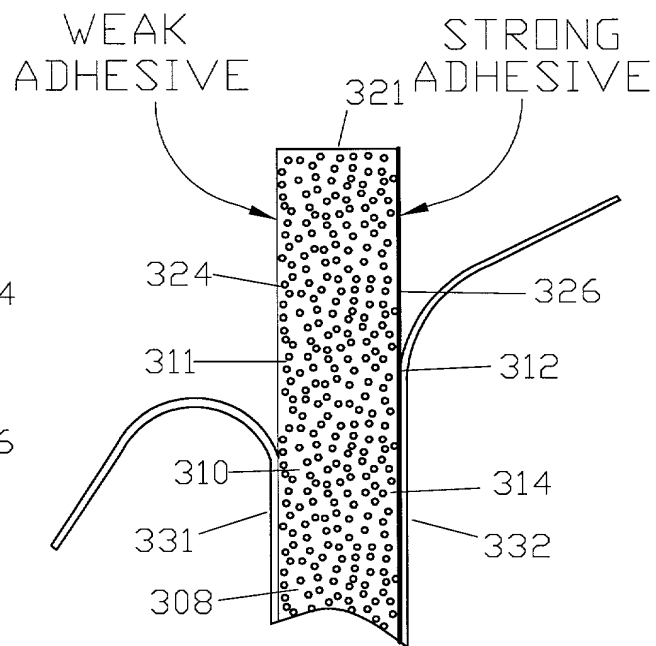


FIG. 20

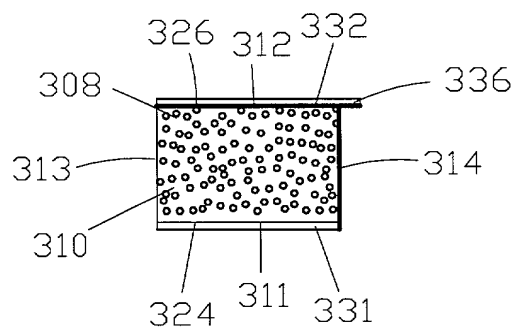


FIG. 21



Serial No.:

SOLE DECLARATION ACCOMPANYING PATENT APPLICATION

My residence, post office address and citizenship are as stated below next to my name.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims and drawings.

I acknowledge the duty to disclose information which is material to the examination of this patent application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby declare that I do not know and do not believe that said invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof, or patented or described in any printed publication more than one year before the filing date of this application, or in public use or on sale in the United States of America more than one year before the date of this patent application, that said invention has not been patented or made the subject of any inventor's certificate issued before the filing date of this patent application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to the filing date of this patent application in the United States of America, and has not been abandoned.

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

POWER OF ATTORNEY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Citizenship: CS

Signature: *Robert Schoppa* Date 6-1-00